

What I claim as my invention is:

1. [Currently Amended] A method for non-invasive excitation of specific brain neurons by projecting a power beam using electromagnetic brain animation, a combination of electricity, magnetism and ultrasound, initiated from multiple size and shape coils incased inside and outside an adaptable "Cap" like apparatus made of hard plastic, rubber or any common thermoplastic resin non-conductive to electricity, targeting specific areas of the brain that are known to impact/result in precise emotional and/or mental difficulties; ~~(b) Due to optimum plasticity of brain structure being highest at this strata of human development, there is unprecedented allowance for successful intervention relating to the influence of neuron activity utilizing electromagnetic brain animation.~~ (c) In direct and specific correlation with target population, optimum stage/phase presents two more significant epochs; critical periods and sensitive periods for which understanding is crucial to understanding environmental needs of early life brain in direct correlation with EBA. thereby inducing cell or neuron depolarization for the purpose of cognitive function, within specific early habilitating populations, ~~(a) Selecting a target group from infant, early childhood, and/or adolescent chronology for enhancement, habilitation, rehabilitation, and/or redirection of said abnormal mental difficulties.~~
2. [Currently Amended] A method and construction formulation is set forth whereas a "CAP"like encasement is the dominant physicality of the instrumentation is utilized for complete inclusion of all conduction/coil points, up to 100, located within (inside), situated evenly through scope of "cap", front to brows, back to nape of neck, sides to top of ears, to hover over and around head of patient whereas all coils will be elevated approximately one half to three quarters inch from cranium, held aloft and fixed by thin prong-like padded sturdy flexible elongations ~~prong-like, padded, sturdy, flexible elongations are universally adjustable allowing for variations in distance from the skull during treatment resulting in ability to "fine tune" coil transmission focus into specified brain area thus alleviating electromagnetic adverse effects correlated with closeness to skull. which can be hydraulically lengthened from one half inch to twelve [12] inches producing significant variations in distance from skull during treatment, resulting in ability to specifically target coil transmission focus onto as small as 1 centimeters.~~
3. [Currently Amended] A method for stimulating multiple specific areas of the brain by individual separate induction and/or multi-formulated mass infiltration with coil target initiation points from 1 to 100), with the innovative ability to utilize a tube formed beam of ultrasound operated as a guiding system sent into and through the skull casing directly upon the soft, mucus tissue of the cerebral cortex aimed at specific neuron clusters relevant to particular mental disorder being treated.
4. [Currently Amended] A method of impact integration of "animation-"brain organ locale via electromagnetic brain animation pertaining to permeation of chosen brain cells by composite amalgamation as in multiple coil inductions with lower pulse [down to 20 per second] and power scales [9-12V Battery] numerous locales [up to 100] frequent variations, varied distance, rotating transmission and multiple combined correlations ~~thereof) excitation impetus toward assisting influence of target rather than singular more sharply rigorous induction toward forceful manipulation and/or stimulation of same region~~ allowing coverage of larger areas with lesser number of combined coil inductions resulting in dynamic energy having the capacity to adroitly assist or coax a more temperate influence on neuron cellular target, producing a supple, resilient, elastic, more acceptable animation that allows a significantly higher control of induction beam resulting in outcome of a greater percentage of successful rehabilitation not previously attained due to the currently utilized sharper, irregular stimulation which has a precedent of being inaccurate as well as aggravating the cellular target.

5. [ Currently Amended ] A method of coils varying in shapes from "double eight" to "quadruple eight" to "dumbbell" to "triple circle bar" to "double squared triangle" to "pentagon shaped and pentagon shaped with one or more cross core encasements as well as numerous other uncharacteristic forms and/or contours in architectural correlation with the fact that "shape of field is largely determined by shape of coil, which allow numerous original EBA formulations resulting in a higher percentage of success because the shape of a coil largely determines the shape of the electromagnetic induction beam and each additionally different induction shape directly correlates to a higher potential for positive results in neuron reorganization due to exponentially enhanced depolarization opportunities"

6. [Canceled]

7.[Canceled]

8. [ Currently Amended ] A method is set forth whereas an innovative "EBA mapping" is performed by changing coil, power and conductor position above and over the head while observing effects with a separate control panel where all induction capsules within "Cap" are directly connected to individual control modules beaming electromagnetic induction at varying speeds from one pulse every 0.10 to 0.50 seconds to 3 pulses every 0.10 to 0.50 seconds with a frequency range from as low as 1Hz up to 10Hz and a power usage of as low as a 12V Battery directed through an ultrasound guidance tube specifically onto the 1 to 10 centimeter target specified for lower and slower dynamic animation necessary for a particular early childhood diagnostic treatment.

9. [Canceled]

10. [Canceled]

11. [Canceled]

12. [Currently Amended] A method set forth where "ur/EBA" refers to ultra rapid *electromagnetic brain animation* of above 50 Hz, equals "high frequency EBA" or as in replication pulse rates above 1 Hz, equals "low frequency EBA" or as in replication rates below 1 Hz, and EBA/US is indicative of secondary usage of ultrasound. combined with electromagnetic brain animation and can be indicative of primary or secondary usage of ultrasound induction to target area used as a precursor cell softening instrument or as a combination guiding instrument or as follow up instrumentation used with or without EBA, indicative of resulting in a significant 65 to 85 percent success rate of noticeable improvement in neuron activity relating directly to reorganization of neuron fusion.

13. [Canceled]

14.[Canceled]

15. [Canceled]

16.[Currently Amended] A method for stimulating a specific area of a brain using an induction device comprising the following steps of recording the spatial structure of the head, in particular the brain; generating a live (present time) model of the brain and specific regions via schematic screen combinations of topography, such as MRI, CT, PET, and X-ray, being dedicated to a single master control board in conjunction with electromagnetic brain animation.

17. [Canceled]

18. [Canceled]

19. [Currently Amended] A method wherein the target region can be any area or section of the cerebral cortex or whole of brain considered relevant to potential **electromagnetic brain animation** ~~enhancement of mental difficulties within infant, early childhood, or adolescent development due to~~ abilities to vary size, mobility, structure, coil and core of coil interchangeable materials and continual mobile capacity to configure shapes of said "Cap" through inclusive instrumentation of main control board.

20. [Currently amended] ~~A method wherein a generating a time varying magnetic field using a sequence of pulses~~ there is a primary option to include ultrasound as a preconditioning tool of relevant brain areas and post utilization tool for slower alleviation of areas initially made more dynamic during electromagnetic brain animation than deemed necessary when formulating time-varying electromagnetic fields using a sequence of pulses, wherein the duration of each pulse in the sequence is less than 10 milliseconds and wherein the pulses in the sequence alternate in polarity; subjecting the patient's head to the time-varying electromagnetic, ultrasonic field.

21. [Currently Amended] A method as set forth wherein a coil in the form of a double-eight is used as the **EBA** induction device and wherein separate segments of this double eight figured coil contains numerous varied innovative coil core materials including permanent magnet parts. some small air spaces and particles of steel which allows for additional original and multiple shapes, sizes lengths, power, pulsation abilities and directional aptitude due to added multiplicity of core ingredients that also will vary power of force fields which have a specific and direct correlation of induction beam configuration parallel with the exchange of shape, size, length, power, pulsation and aptitude of initial induction coil itself.

22. [Currently Amended] The method as set forth wherein the areas of the brain are animated by electrical magnetic impulses in the induction device, wherein a vigorous fusion results from the combination of electrical, magnetic and ultrasonic impulses emanating from the EBA generator and wherein these unique combination structured impulses can vary in types, methods and purposes of utilization in direct correlation with the number of times these individually powered induction beams can be irregularly configured before, after and between one another as in beaming ultrasound first, magnetism second, electricity third or vice versa or any number of interchangeable possibilities which allow for a significant number of treatment modalities which have been unavailable previous to electromagnetic brain animation.

23. [Currently Amended] A method wherein the pulse sequences consists of a series of waves ~~set in a dry and is greater than 1000 amps in electrical current and less than 10,000 amps and the pulse sequence are in the range of 5-50 seconds in duration, each wave is where as this original combination results in having~~ each wave less than 1 millisecond in duration down to 1 tenth of 1 millisecond and the magnetic field produced thereby is at least 1 Tesla [ a unit of magnetic induction equal to one unit of magnetic influx per square meter] ] and with potential for 3 Tesla resulting in a sequential alliance and goal not achievable up to this time.

24. [Currently Amended] A method wherein the magnetic induction coil may be a superconductive coil cooled below its critical temperature and the "adaptation", modulation may allow extra low Hz and power to emanate, for the first time, from an independent power source as small as a 9V battery which results in multiple advantages relating to locale of treatment, numbers being treated and considerable alleviation of power resulting in lower cost per treatment ratio.

25. [Currently Amended] A pioneering method brought about due to the numerous original size, shape and mobility of the primary "cap" configuration in conjunction with the comparatively limitless differentiations pertaining to powers, coils, materials, shapes, sizes, directional aptitudes, and varying power sources, both self-contained and otherwise wherein the 'electromagnetic brain animation' pulse sequence or train is in the range of 5-50 seconds in duration and is at a frequency that can be in a range of from 10 to 100 Hz and wherein this also can be achieved in replications of 10 to 20Hz if or when needed.

26. [Currently Amended] A method wherein the electromagnetic animation pulses have a duration in the range of 50 to 400 microseconds, whether constant or varying systematically ~~or haphazardly~~ within said range whereas this method can replicate in variables of 10 in addition to being consistent with inclusion of 3 congruent thyristor connections set up in a sophisticated configuration which allows them to consecutively or simultaneously operate faster with the capacity to open and close power gap allotments at ranges and pulsation previously unavailable.

27. [Currently Amended] An electromagnetic animation generator comprising multiple magnetic cores being approximately hemispherical as in standard orientation, but also non-hemispherical in contour categories wherein utilitarian emissions need to be manifested so that electromagnetic fields differentiating in shape or form may be significantly more successful and said magnetic cores comprising magnetic material having a magnetic saturation of at least 0.5 Tesla and up to 5 Tesla, and having windings of wire around at least a portion of said magnetic cores, count being up to 100 plus, size being as small as one quarter to one half inch diameter can for the first time be integrated and installed to encompass as much as one quarter to one half of the "Thinking Cap which results in a heretofore unachievable and allowing induction beams from coils themselves a range, latitude, longitude and distance resulting in potential for superior success in direct correlation to the numerous 'to target' advantage points.

28. [Canceled]

29. [Currently Amended] A method for treatment of depression, attention deficit disorder, anxiety, obsessive compulsive disorder, dysthymia, memory loss, learning disorder as well as virtually all other possible emotional, cognitive instabilities by utilization of the triple induction treatment method of electricity, magnetism and ultrasound which has a significantly higher accuracy range, broader spectrum of lower power sources and induction beam variations considerably more attuned with the most complex irregularities of developing or fully developed brains.

30. [Currently Amended] A method of EBA treatment set forth whereas a modality shifter adaptation, from high level power source (10,000V outlet) to an extra low level power source (9V to 12V mobile battery) is applicable due to an (Adaptor Modality Shifter) mechanism, a heretofore unavailable variation range in an all inclusive control board operational module connected directly to all possible, utilizable coil and ultrasound mechanisms within the whole of the EBA generator to variation ranges in all inclusive emission and conduction areas for non-invasive brain integration which now offers the capacity to both pass through the blood brain barrier and specify a target locale and size as small as one [1] centimeter

31. [Canceled]

32. [Canceled]

33. [Canceled].

34. [ New ] A method heretofore not available of manually operated electronic switching controls interconnected between primary electromagnetic brain animation generation and all multiple computer tomography, topography , PET, CT, and X-ray instrumentations allowing highest percentage specific coil transmissions into higher percentage specific locations on the basis of all the assuasive visual power sources being combined with all EBA power sources, united within the panel of the main EBA control board.
- 35, [New ] A method is set forth wherein "Double EBA" or "Triple EBA" induction or up to 50 EBA inductions refers to the versatile "Cap" coil abilities for allowing an equal number of charged coil beams to be applied to equal number of differing cerebral locations with timing and intensity adjusted individually or in combinations within those two [2] through fifty [50] beam inductions, resulting in a significant innovative capacity for treatment of an equal and considerable number of different brain regions simultaneously.
36. [New ] A method of **EBA** formulation allowing a significant improvement for deviating cell membranes with sustained differences between intra and extra cellular space due to variably applied electric, magnetic and ultrasonic fields influencing neuron cells to develop extra activated, dynamic and excitable tissue brought about by exact coil positioning, motor-evoked responses, reaction from differing animation inductions and pre and post instructional indications derived by calculating variations with geometrical coordination to necessary locale directed by secondary control boxes that are fitted with additional compliments from one or more numerous instrumentations such as MRIs, PETs, EEGs, MEGs, Xrays and NiRSs, concluding with generated a significant advantage for successful treatment by producing multiple variant depolarization's.
37. [New] A method set forth whereas **EBA** non-invasive supplementary moderate, temperate inducing animation influence of the brain due to multiple size, placement, number, power, and material variations of coil cores result in the ability of encouraging, safe utilization with primarily infant to early childhood development stage growth wherein the plasticity and elasticity is significantly more pliable than at older stages and more easily damaged; therefore, in correlation with the ability of EBA to cover specific areas more concisely and softly, using multiple smaller, less powerful induction manifestation leads to inevitable results of being a significantly safer treatment process.. A method set forth whereas EBA non-invasive impacting of the brain relate in heretofore unheard of positive coordination with "target population".
38. [New] A method for enhancing brain function by means of **electromagnetic brain animation** utilizing a "Cap" formulated structure suited with 10 multi-directional mobility plates and a minimum of 5 incased coil formulations residing within these plates, which are rectangular in shape, point at top of "Cap instrument", opposite positioned larger part at bottom of "Cap instrument" with mobility consisting of being able to hydraulically rise from bottom edge straight up to where said plate is situated evenly and out from top of Cap container with each plate producing a minimum of 5 different angled, directed and beamed EBA induction ranges with two 2 plates providing a minimum of 10 varying induction ranges and continuing with rise of another hydraulically lifted plate up to 50 different angled, directed and beamed EBA induction ranges.
39. [New] A method for originally manufactured **ultrasonic** coils which have numerous primary advantages not previously achieved such as being able to transmit induction through the 'blood brain barrier' [BBB] due to its considerably smaller molecular structure; allowing ultrasound to be used as a guide for which electricity and magnetism can follow through, therefore, reaching neuron areas never previously reachable and having the additional capacity to specifically hit an area as small as 1 centimeter, further indicating ultrasound literally actually changing the paradigm for non-invasive mental health treatment.